

WO 00/39159

PCT/NZ99/00228

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Ala	Asn	Asp	Phe	_	Thr	Gly	Asp	Lys		Ala	Val	Phe	Ser		Pro	
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Phe	Asp	Trp	Asn	Tyr	Leu	Ser	Lys	_	Lys	Val	Thr	Ala	_	Thr	Tyr	
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GIÀ	GIA		Thr	Pro	TYF	GIN		Thr	ser	11e	Pro		ASN	116	Pro	
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20 25 30

Leu Arg Asn Ile Tyr Ser Thr Ile Val Tyr Glu Tyr Ser Asp Ile Val
35 40 45

Ile Asp Phe Lys Thr Ser His Asn Leu Val Thr Lys Lys Leu Asp Val
50 55 60

Arg Asp Ala Arg Asp Phe Phe Ile Asn Ser Glu Met Asp Glu Tyr Ala 65 70 75 80

Ala Asn Asp Phe Lys Thr Gly Asp Lys Ile Ala Val Phe Ser Val Pro 85 90 95

Phe Asp Trp Asn Tyr Leu Ser Lys Gly Lys Val Thr Ala Tyr Thr Tyr
100 105 110

Gly Gly Ile Thr Pro Tyr Gln Lys Thr Ser Ile Pro Lys Asn Ile Pro 115 120 125

Val Asn Leu Trp Ile Asn Gly Lys Gln Ile Ser Val Pro Tyr Asn Glu 130 135 140

Ile Ser Thr Asn Lys Thr Thr Val Thr Ala Gln Glu Ile Asp Leu Lys
145 150 155 160

Val Arg Lys Phe Leu Ile Ala Gln His Gln Leu Tyr Ser Ser Gly Ser 165 170 175

Ser Tyr Lys Ser Gly Arg Leu Val Phe His Thr Asn Asp Asn Ser Asp 180 185 190

Lys Tyr Ser Phe Asp Leu Phe Tyr Val Gly Tyr Arg Asp Lys Glu Ser 195 200 205

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Tyr Gly Ser Gln Leu Ala Tyr Ala Asp Glu Asn Leu Lys Asp Leu Lys
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aga agt tta aga ttt gcc tat aat att acc cca tgc gat tat gaa aat 144
Arg Ser Leu Arg Phe Ala Tyr Asn Ile Thr Pro Cys Asp Tyr Glu Asn
35 40 45

gta gaa att gca ttt gtt act aca aat agc ata cat att aat act aaa 192
Val Glu Ile Ala Phe Val Thr Thr Asn Ser Ile His Ile Asn Thr Lys
50 55 60

caa aaa aga tcg gaa tgt att ctt tat gtt gat tct att gta tct tta 240 Gln Lys Arg Ser Glu Cys Ile Leu Tyr Val Asp Ser Ile Val Ser Leu 65 70 75 80

ggc att act gat cag ttt ata aaa ggg gat aag gtc gat gtt ttt ggt 288
Gly Ile Thr Asp Gln Phe Ile Lys Gly Asp Lys Val Asp Val Phe Gly
85 90 95

ctc cct tat aat ttt tcc cca cct tat gta gat aat att tat ggt ggt 336 Leu Pro Tyr Asn Phe Ser Pro Pro Tyr Val Asp Asn Ile Tyr Gly Gly 100 105 110

att gta aaa cat tcg aat caa gga aat aaa tca tta cag ttt gta gga 384
Ile Val Lys His Ser Asn Gln Gly Asn Lys Ser Leu Gln Phe Val Gly
115 120 125

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Ile Leu Asn Gln Asp Gly Lys Glu Thr Tyr Leu Pro Ser Glu Ala Val

130 135 140

Cgc ata aaa aag aaa cag ttt act tta cag gaa ttt gat ttt aaa ata 480 Arg Ile Lys Lys Gln Phe Thr Leu Gln Glu Phe Asp Phe Lys Ile 145 150 155 160

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Tyr	Thr	Ser	Gly	Ser	Leu	Phe	Leu	Ala	Thr	Lys	Asp	Ser	Lys	His	Tyr	
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IYL	GIĀ	ser	20	пеп	AIA	TYL	AIA	25	GIU	ASII	neu	цуз	30	Deu	DYS	
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Val		Ile	Ala	Phe	Val		Thr	Asn	Ser	Ile		Ile	Asn	Thr.	Lys	
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Gln	ĭ.vs	Ara	Ser	Glu	Cve	Tle	T.em	ጥ ኒያን	Val	Asp	Ser	Tle	Val	Ser	Leu	
65	цуз	n. g	Jer	GIU	70	116	nea	171	Val	75	DCI		V41	J C1	80	
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115 120 125

Ile Leu Asn Gln Asp Gly Lys Glu Thr Tyr Leu Pro Ser Glu Ala Val 130 135 140

Arg Ile Lys Lys Lys Gln Phe Thr Leu Gln Glu Phe Asp Phe Lys Ile 145 150 155 160

Arg Lys Phe Leu Met Glu Lys Tyr Asn Ile Tyr Asp Ser Glu Ser Arg 165 170 175

Tyr Thr Ser Gly Ser Leu Phe Leu Ala Thr Lys Asp Ser Lys His Tyr 180 185 190

Glu Val Asp Leu Phe Asn Lys Asp Asp Lys Leu Leu Ser Arg Asp Ser 195 200 205

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Asn Ser Tyr Asn Thr Thr Asn Arg His Asn Leu Glu Ser Leu Tyr Lys
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gaa	gta	gat	att	tat	gct	cta	tct	gca	caa	gag	gtt	tgt	gaa	tgt	cca	336
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gaa	ata	gat	ata	aaa	att	aga	aaσ	tta	tta	att	aaq	aaa	tac	gat	atc	528
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Gly	Asp	Phe	Asn	Ser	Met	Leu	Lys	Ile	Tyr	Ser	Asn	Asn	Glu	Arg	Ile	
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Asn Ser Tyr Asn Thr Thr Asn Arg His Asn Leu Glu Ser Leu Tyr Lys
35 40 45

His Asp Ser Asn Leu Ile Glu Ala Asp Ser Ile Lys Asn Ser Pro Asp
50 55 60

Ile Val Thr Ser His Met Leu Lys Tyr Ser Val Lys Asp Lys Asn Leu 65 70 75 80

Ser Val Phe Phe Glu Lys Asp Trp Ile Ser Gln Glu Phe Lys Asp Lys 85 90 95

Glu Val Asp Ile Tyr Ala Leu Ser Ala Gln Glu Val Cys Glu Cys Pro 100 105 110

Gly Lys Arg Tyr Glu Ala Phe Gly Gly Ile Thr Leu Thr Asn Ser Glu 115 120 125

Lys Lys Glu Ile Lys Val Pro Val Asn Val Trp Asp Lys Ser Lys Gln 130 135 140

Gln Pro Pro Met Phe Ile Thr Val Asn Lys Pro Lys Val Thr Ala Gln 145 150 155 160

Glu Val Asp Ile Lys Val Arg Lys Leu Leu Ile Lys Lys Tyr Asp Ile 165 170 175

Tyr Asn Asn Arg Glu Gln Lys Tyr Ser Lys Gly Thr Val Thr Leu Asp 180 185 190

Leu Asn Ser Gly Lys Asp Ile Val Phe Asp Leu Tyr Tyr Phe Gly Asn 195 200 205

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Asn	Leu	Leu	Ile	Asp	Gly	Val	Gln	Gln	Lys	Thr	Leu		Asn	Pro	Ile	
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	Phe							•								
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Asn Leu Leu Ile Asp Gly Val Gln Gln Lys Thr Leu Ile Asn Pro Ile 35 40 45

Lys Ile Asp Lys Pro Ile Phe Thr Ile Gln Glu Phe Asp Phe Lys Ile
50 55 60

Arg Gln Tyr Leu Met Gln Thr Tyr Lys Ile Tyr Asp Pro Asn Ser Pro 65 70 75 80

Tyr Ile Lys Gly Gln Leu Glu Ile Ala Ile Asn Gly Asn Lys His Glu 85 90 95

Ser Phe Asn Leu Tyr Asp Ala Thr Ser Ser Ser Thr Arg Ser Asp Ile 100 105 110

Phe Lys Lys Tyr Lys Asp Asn Lys Thr Ile Asn Met Lys Asp Phe Ser 115 120 125

His Phe Asp Ile Tyr Leu Trp Thr Lys
130 135